



Department of Energy
Office of Legacy Management

DEC 22 2008

MEMORANDUM FOR DOE-LM FEDERAL STAFF
FROM: RAYMOND M. PLIENESS, DIRECTOR, OFFICE OF SITE OPERATIONS, LM-20 *12/22/2008*
SUBJECT: LM Site Management Guide – Revision 6

Attached is Revision 6 of the LM Site Management Guide (“The Blue Book”) for your use. A summary of the changes to the Blue Book are as follows:

- Appendix A was updated to reflect sites currently in the LM program through November 30, 2008; inclusion of a footnote associated with the Oxnard, California, site; category correction for the New Brunswick, New Jersey, site; and site transfer date corrections (based on the respective sites’ LTSP) for Parkersburg, West Virginia, Shirley Basin South, Wyoming, and Spook, Wyoming, sites. These changes are reflected in red text.
- Appendix B was updated to reflect revised planned transfer dates and LM name correction for the Shpack Landfill (pre-LM name) site. These changes are reflected in red text.
- Appendices C through F were updated to reflect changes associated with Appendices A and B.
- A field in Appendix G was modified to reflect “Number of Wells,” in lieu of the previous version of “Number of Ground Water Sampling Locations.”
- Appendix H, *Land Having Legacy Management LTS&M Activities*, has been added.
- General edits and format corrections were made.

As done with distribution of Revision 5 of the Blue Book in June 2008, we are including a separate file (Site Overview) that provides further details on subjects such as acres, types of activities, wells, and engineered containment structures. A few of these data points are included in Appendix G and H of the Blue Book.

Any comments or changes to the data in the Blue Book should be provided to Chris Pennal, LM Site Management Guide Coordinator. All comments and changes are reviewed and considered, then managed via a change control process.

The LM Site Management Guide is available via the LM Intranet under the *Library* tab. Please contact Chris Pennal, LM-20, at 970-248-6011 if you have any suggestions or questions.

Attachment

cc w/attachment:

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File Code: LM 10.05

CMP\12-22-08 LM Site Mgmt Guide Rev 6 Memo.doc

LM Site Management Guide aka the “Blue Book”

December 2008

Revision 6



**U.S. DEPARTMENT OF
ENERGY**

Office of
Legacy Management

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1.0 Introduction

The U.S. Department of Energy (Department) Office of Legacy Management (LM), established in 2003, manages the Department's post-closure responsibilities and ensures the future protection of human health and the environment.

During World War II and the Cold War, the Federal government developed and operated a vast network of industrial facilities for the research, production, and testing of nuclear weapons, as well as other scientific and engineering research. These processes left a legacy of radioactive and chemical waste, environmental contamination, and hazardous facilities and materials at well over 100 sites. Since 1989, the Department has taken an aggressive accelerated cleanup approach to reduce risks and cut costs.

At most Departmental sites undergoing cleanup, some residual hazards will remain at the time cleanup is completed due to financial and technical impracticality. The Department has an obligation to protect human health and the environment after the cleanup completion. In order to meet this post-closure obligation, the management responsibility for Departmental sites, which have no continuing mission at these sites and have been cleaned up, will be transitioned to LM.

In addition to Departmental sites, LM is responsible for sites under the Formerly Utilized Sites Remedial Action Program (FUSRAP). Currently, the U.S. Army Corps of Engineers (USACE) is responsible for site surveys and remediation at FUSRAP sites. Once remediation is completed LM then becomes responsible for long-term surveillance and maintenance.

LM also assumes responsibility of uranium processing sites addressed by Title II of the Uranium Mill Tailings Radiation Control Act (UMTRCA). UMTRCA Title II sites are sites that were commercially owned and are regulated under U.S. Nuclear Regulatory Commission (NRC) license. For license termination, the owner must conduct an NRC-approved reclamation of any on-site radioactive waste remaining from former uranium ore-processing operations. The site owner also must ensure full funding for inspections and, if necessary, ongoing maintenance. Once site reclamations are complete LM then accepts title to these sites for custody and long-term surveillance and maintenance.

2.0 Purpose

The main purpose of the LM Site Management Guide is to be a control and reference document for LM and its' contractor(s), which provides accurate and consistent information across the LM organization. The core data of this Guide will be updated bi-annually and will be presented in the form of tables and charts. The primary data elements of the LM Site Management Guide includes the following:

- 1) Site Name and Location (State)
- 2) Pre-LM Name

- 3) Transferring Organization
- 4) Actual Transfer Date (Fiscal Year)
- 5) Planned Transfer Date (Fiscal Year)
- 6) Regulatory Driver
- 7) Site Type (Category 1, 2, or 3)
- 8) Appropriation Account

The data elements listed above are under configuration control (see Section 8.0) and cannot be altered without proper approvals. LM will manage and control all LM Site Management Guide changes except changes to data regarding the EM Closure Sites transferring to LM, which requires joint approval by EM-1 and LM-1.

The LM Site Management Guide Coordinator (LM-20) will conduct bi-annual updates of the LM Site Management Guide.

3.0 Site Types

Each LM site is designated one of three types based on the actual or anticipated LTS&M activities associated with that site. The site type indicates the level of LTS&M activities that are expected for each site, based on the following categories:

- Category 1 sites are expected to require records-related activities and stakeholder support.
- Category 2 sites are expected to require routine inspection and maintenance, records-related activities, and stakeholder support.
- Category 3 sites are expected to require operation and maintenance of remedial action systems, routine inspection and maintenance, records-related activities, and stakeholder support.

Note: For sites that may have multiple categories, the overall category designation will always be the highest of all categories listed for that site. For example: The Salt Lake City, UT, Disposal/Processing Site is currently counted as one site, but has two types of categories. The Salt Lake City Processing (mill site) site is a category 1 site and the Salt Lake City Disposal site is a category 2 site. For reporting purposes this site will have an overall category designation as a category 2 site.

4.0 Site Counts

The LM Site Management Guide is the control document for all site count information. The manner in which sites are counted is critical to ensuring LM provides accurate and consistent site count data. It has been determined that each geographic site location will be counted as one site. This also includes geographic site locations having both a former processing site and an associated disposal site. These types of sites will also be counted as one site.

Note: Currently the only exceptions to the site count guidance would be the two FUSRAP sites in St. Louis, MO (St. Louis Airport & St. Louis Airport Vicinity Properties), and the two FUSRAP sites in Niagara Falls, NY (Niagara Falls Storage Site & Niagara Falls Storage Site Vicinity Properties). These 4 FUSRAP sites are currently counted as 4 sites due to the fact the USACE managed these sites as four separate sites.

The following represents examples of some UMTRCA sites having both a former processing site and an associated disposal site:

- **2 Durango, CO, sites counted as 1 site**

- 1) Durango, CO, Disposal Site
- 2) Durango, CO, Processing Site

- **3 Rifle, CO, sites counted as 1 site**

- 1) Rifle New, CO, Processing Site
- 2) Rifle Old, CO, Processing Site
- 3) Rifle, CO, Disposal Site

5.0 Site Nomenclature

The names of many sites that come into the LM program are confusing and non-descriptive. In many cases sites have names using the company name of the former operator of the site, or use a geographic name or nickname. LM has established a systematic approach for naming or identifying sites within LM in order to eliminate confusion when trying to identify sites and site locations. That systematic approach is as follows:

- 1) Eliminate using company names of current or former operators or property owners.
- 2) When possible, a site name should begin by using the name of the nearest city or town. If multiple sites exist near the same city or town, use a direction name (North, South, East, West) following the city or town name. For example, when two former processing sites are near the same city or town, use a direction name after each site to identify where the site is located in relation to that city or town.

Note: LM will receive a few sites that do not have a city or town near the site to use as the site name. In these cases, the sites will retain the current pre-LM name. **Example:** There are no cities or towns near the Salmon, MS site. “Salmon” is the project name of the site and is not referencing a geographic location; therefore, the Salmon, MS site will retain the pre-LM site name.

LM has revised the names of FUSRAP sites that have transferred to LM. For FUSRAP sites that are planning to transfer to LM in the future, the name currently assigned by the USACE will be utilized (as

shown under Pre-LM Name column in Appendix B). Upon transfer, site names will be changed in accordance with LM Site Nomenclature.

LM has also revised several site names for sites that have not yet transferred to LM (mainly associated with UMTRCA Title II sites) for internal management purposes. Until a planned site officially transfers to LM, the original (pre-LM) site name will be referenced in all outside reporting and data sharing. Appendixes A and B contain both of the sites' pre-LM and LM site names for ease in cross-referencing.

- 3) The name should also include the state where the site is geographically located.
- 4) When applicable the site name should include additional information about the site e.g., processing, disposal, decommissioned reactor. See example below:

Slick Rock East, CO, Processing Site
Slick Rock West, CO, Processing Site

6.0 Site Transition Policy

This section references the following site transition policy documents:

- **Terms and Conditions between EM and LM** – Outlines proposed terms and conditions for managing and funding site transition activities between EM and LM. The terms and conditions can be located at the following web address:
http://www.lm.doe.gov/pro_doc/site_trans_doc.htm
- **Site Transition Plan Guidance** – This document provides guidance regarding the development of Site Transition Plans. Site Transition Plan Guidance can be located at the following web address:
http://www.lm.doe.gov/pro_doc/site_trans_doc.htm
- **Site Transition Framework** - This document provides a framework for all DOE facilities and sites where DOE may have anticipated long-term surveillance and maintenance (LTS&M) responsibilities. The Site Transition Framework can be located at the following web address:
http://www.lm.doe.gov/pro_doc/site_trans_doc.htm
- **Site Transition Process Upon Cleanup Completion** – This two-page fact sheet outlines LM's policy on various aspects of site transition. This document can be located at the following web address:
http://www.lm.doe.gov/documents/factsheets/site_transition.pdf
- **Site-Specific Transition Fact Sheets** – This presents a compilation of fact sheets regarding the status of transition at specific sites. For each site, the following topics are discussed: key milestones; site condition at the time of transfer;

transition issues; and information regarding the management and mitigation of programmatic risk. Site-specific transition documentation can be acquired from the respective DOE-LM Site Manager, and/or found at the following web address: http://www.lm.doe.gov/land/sites/sites_map.htm

Note: All planned site transfer dates should be by month and year. In the past, site count estimates by fiscal year for budget formulation purposes have been erroneously reported due to calendar year dates being mistaken for fiscal year.

7.0 Interrelationship of Site Management Guide Data

All LM federal and contractor staff should recognize the importance of utilizing and adhering to the LM Site Management Guide, due to the interrelationship of site count data within LM and other LM products, processes and systems.

Looking at the LM Program and the core business functions of planning, budget formulation, budget execution and evaluation, site count data is clearly found as being a major part of many products. The following are just a few of the products that require current and accurate site count data:

- LM Strategic Plan
- Budget Formulation
- Life-Cycle Planning
- Environmental Liability Estimates
- DOE Performance Measure Management (PMM) System

LM staff should use the LM Site Management Guide as the source document when preparing or releasing site count information for Departmental data calls, or to other transferring organizations. Any questions associated with the data in this Guide should be addressed to the LM Site Management Guide Coordinator (LM-20).

Until a formal configuration control process is distributed, all changes to the LM Site Management Guide must be processed through the LM Site Management Guide Coordinator (LM-20).

8.0 Appendices

The LM Site Management Guide data will be reported in the following appendices:

Appendix A. Current LM Site Count Listing – This appendix is a listing of sites in the LM Program.

Appendix B. Site Transition Schedule – This appendix represents a schedule of sites planning to transfer to LM during FY2008 – FY2047.

Appendix C. Planned Site Count by Year – This appendix is a planned site count listing of sites already in the LM Program and sites planning to transfer to LM.

Appendix D. Current Site Count by State – This appendix is a chart of sites by state currently in the LM Program.

Appendix E. LM Site Map – This appendix is a map of sites currently in the LM Program.

Appendix F. Current Site Count by Regulatory Type and Category – This appendix is a chart displaying site counts by Regulatory Type and Category.

Appendix G. Site Information Summary – This appendix provides a summary of commonly used data points (number of sites, number of wells, number of disposal cells, and the number of institutional controls) and is grouped by regulatory type. Additionally, the summary will reflect prior fiscal year data as compared to the planned site data for the current fiscal year. The site specific information that supports the summary will be reviewed and updated on a routine basis by DOE and contractor site managers.

Appendix H. Land Having Legacy Management LTS&M Activities – This appendix is a chart displaying acreage totals for Non DOE-Owned Site/Land with rights to conduct activities, DOE-Owned (fee simple) Land, and Withdrawn Land.

Appendix I. Acronyms – This appendix is a list of acronyms used in the LM Site Management Guide.

Appendix A: Current LM Site Count Listing

LM Site Count Listing Through September 30, 2008

	LM Site Name	Pre - LM Name	Approp (1)	Category (2)	Regulatory Driver	Fiscal Year Transfer Date
1	Acid/Pueblo Canyon, NM, Site	Acid/Pueblo Canyon	LM	1	FUSRAP	2004
2	Adrian, MI, Site	General Motors	LM	1	FUSRAP	2004
3	Albany, OR, Site	Albany Research Center	LM	1	FUSRAP	2004
4	Aliquippa, PA, Site	Aliquippa Forge	LM	1	FUSRAP	2004
5	Ambrosia Lake, NM, Disposal Site	Ambrosia Lake	LM	2	UMTRCA Title I	1998
6	Amchitka, AK, Site	Amchitka Island	ODA	2	Other	2008
7	Bayo Canyon, NM, Site	Bayo Canyon	LM	1	FUSRAP	2004
8	Berkeley, CA, Site	University of California	LM	1	FUSRAP	2004
9	Beverly, MA, Site	Ventron	LM	1	FUSRAP	2004
10	Bluewater, NM, Disposal Site	Bluewater Site	LM	2	UMTRCA Title II	1997
11	BONUS, PR, Decommissioned Reactor, Site	BONUS Reactor	LM	2	D&D	2004
12	Buffalo, NY, Site	Bliss & Laughlin Steel	LM	1	FUSRAP	2002
13	Burrell, PA, Disposal Site	Burrell Site	LM	2	UMTRCA Title I	1994
14	Canonsburg, PA, Disposal Site	Canonsburg Site	LM	2	UMTRCA Title I	1996
15	Center for Energy and Environmental Research, PR, Site	Rio Piedras Site	LM	1	Other	2006
		Mayaguez site				
16	Central Nevada Test Area, NV, Site	Central Nevada Test Area	ODA	2	Other	2008
17	Chariot, AK, Site	Chariot Site	ODA	1	Other	2005
18	Chicago North, IL, Site	National Guard Armory	LM	1	FUSRAP	2004
19	Chicago South, IL, Site	University of Chicago	LM	1	FUSRAP	2004
20	Chupadera Mesa, NM, Site	Chupadera Mesa	LM	1	FUSRAP	2004
21	Columbus East, OH, Site	B & T Metals	LM	1	FUSRAP	2004
22	Columbus, OH, Site	Columbus Closure Project	ODA	1	Other	2008
23	Durango, CO, Disposal/Processing Site	Bodo Canyon Cell	LM	2	UMTRCA Title I	1996
		Durango Mill				
24	Edgemont, SD, Disposal Site	Edgemont Site	LM	2	UMTRCA Title II	1996
25	EI Verde, PR, Site	EI Verde	LM	1	Other	2006
26	Fairfield, OH, Site	Associate Aircraft	LM	1	FUSRAP	2004
27	Falls City, TX, Disposal Site	Falls City Site	LM	2	UMTRCA Title I	1997
28	Fernald, OH, Site	Fernald Closure Project	ODA	3	CERCLA/RCRA	2008
29	Gasbuggy, NM, Site	Gasbuggy Site	ODA	2	Other	2008
30	General Atomics Hot Cell Facility, CA, Site	General Atomics	LM	1	Other	2005
31	Geothermal Test Facility, CA, Site	Geothermal Test Facility	LM	1	Other	2005
32	Gnome-Coach, NM, Site	Gnome - Coach	ODA	2	Other	2008
33	Grand Junction, CO, Disposal/Processing Site	Cheney Disposal Cell	LM	2	UMTRCA Title I	1999
		Grand Junction Mill 1				
34	Grand Junction, CO, Site	Grand Junction Mill 2	LM	2	D&D	2002
35	Granite City, IL, Site	Granite City Steel	LM	1	FUSRAP	2004
36	Green River, UT, Disposal Site	Green River Site	LM	2	UMTRCA Title I	1998
37	Gunnison, CO, Disposal/Processing Site	Gunnison Disposal Cell	LM	2	UMTRCA Title I	1997
		Gunnison Mill				
38	Hallam, NE, Decommissioned Reactor, Site	Hallam Nuclear Power Facility	LM	2	D&D	1998
39	Hamilton, OH, Site	Herring - Hall Marvin Safe Co.	LM	1	FUSRAP	2004
40	Indian Orchard, MA, Site	Chapman Valve	LM	1	FUSRAP	2004
Continued on next page						

(1) Appropriation: LM = Legacy Management (formerly ESC = Energy Supply and Conservation), ODA = Other Defense Activities

(2) Category 1: Requires records-related activities and stakeholder support.

Category 2: Requires require routine inspection and maintenance, records-related activities, and stakeholder support.

Category 3: Requires operation and maintenance of remedial action systems, routine inspection and maintenance, records-related activities, and stakeholder support.

(3) The DOE Office of Legacy Management is the owner of record for 5 FUSRAP sites: Colonie, NY; Maywood, NJ; Middlesex Sampling Plant (Middlesex South), NJ; New Brunswick, NJ; and Niagara Falls Storage Site, NY. The U.S. Army Corps of Engineers is responsible for protectiveness at these sites until remedial action is completed and DOE-LM assumes LTS&M responsibility for the sites.

Appendix A: LM Site Count Listing (continued)

LM Site Count Listing Through September 30, 2008

	LM Site Name	Pre - LM Name	Approp (1)	Category (2)	Regulatory Driver	Fiscal Year Transfer Date
41	Jersey City, NJ, Site	Kellex/Pierpont	LM	1	FUSRAP	2004
42	Laboratory for Energy Related Health Research, CA, Site	Laboratory for Energy Related Health Research	LM	2	CERCLA/RCRA	2006
43	Lakeview, OR, Disposal/Processing Site	Lakeview Site	LM	2	UMTRCA Title I	1995
		Lakeview Mill				
44	L-Bar, NM, Disposal Site	SOHIO - LBAR Site	LM	2	UMTRCA Title II	2004
45	Lowman, ID, Disposal Site	Lowman Site	LM	2	UMTRCA Title I	1994
46	Madison, IL, Site	Madison	LM	1	FUSRAP	2002
47	Maxey Flats, KY, Disposal Site	Maxey Flats Disposal Site	ODA	1	CERCLA/RCRA	2004
48	Maybell, CO, Disposal Site	Maybell Mill Site	LM	2	UMTRCA Title I	1999
49	Mexican Hat, UT, Disposal Site	Mexican Hat Site	LM	2	UMTRCA Title I	1997
50	Middlesex North, NJ, Site	Middlesex Municipal Landfill	LM	1	FUSRAP	2004
51	Missouri University Research Reactor, MO, Site	MURR	LM	1	Other	2005
52	Monticello, UT, Disposal and Processing Sites	Monticello Mill Site and Vicinity Properties	LM	3	CERCLA/RCRA	2002
53	Monument Valley, AZ, Processing Site	Monument Valley Site	LM	3	UMTRCA Title I	1997
54	Naturita, CO, Disposal/Processing Site	Naturita Site	LM	2	UMTRCA Title I	1999
		Naturita Mill				
55	New Brunswick, NJ, Site (3)	New Brunswick Site	LM	2	FUSRAP	2004
56	New York, NY, Site	Baker and Williams Warehouses	LM	1	FUSRAP	2004
57	Niagara Falls Vicinity Properties, NY, Site	Niagara Falls Storage Site Vicinity Properties	LM	1	FUSRAP	2004
58	Oak Ridge, TN, Warehouses Site	Elza Gate	LM	1	FUSRAP	2004
59	Oxford, OH, Site	Alba Craft Laboratories	LM	1	FUSRAP	2004
60	Oxnard, CA, Site (4)	Oxnard Site	ODA	1	Other	2008
61	Parkersburg, WV, Disposal Site	Parkersburg Site	LM	2	Other	1994
62	Pinellas County, FL, Site	Pinellas STAR Center	ODA	3	CERCLA/RCRA	2004
63	Piqua, OH, Decommissioned Reactor, Site	Piqua Nuclear Power Facility	LM	2	D&D	1998
64	Rifle, CO, Disposal/Processing Site	Rifle (New) Mill	LM	2	UMTRCA Title I	1998
		Rifle (Old) Mill				
		Estes Gulch Disposal Cell				
65	Rio Blanco, CO, Site	Rio Blanco	ODA	2	Other	2008
66	Riverton, WY, Processing Site	Riverton Site	LM	2	UMTRCA Title I	1991
67	Rocky Flats, CO, Site	Rocky Flats Closure Project	ODA	3	CERCLA/RCRA	2008
68	Rulison, CO, Site	Rulison	ODA	2	Other	2008
69	Salmon, MS, Site	Salmon Site	ODA	2	Other	2008
70	Salt Lake City, UT, Disposal/Processing Site	South Clive Disposal Cell	LM	2	UMTRCA Title I	1997
		Salt Lake City Mill				
71	Seymour, CT, Site	Seymour Specialty Wire	LM	1	FUSRAP	2004
72	Sherwood, WA, Disposal Site	WNI - Sherwood Site	LM	2	UMTRCA Title II	2001
73	Shiprock, NM, Disposal Site	Shiprock Site	LM	3	UMTRCA Title I	1996
74	Shirley Basin South, WY, Disposal Site	Petrochemicals - Shirley Basin 1	LM	2	UMTRCA Title II	2005
75	Shoal, NV, Site	Project Shoal	ODA	2	Other	2008
76	Site A / Plot M, IL, Decommissioned Reactor, Site	Palos Forest (Site A/Plot M) Preserve	LM	2	D&D	1998

Continued on next page

(1) Appropriation: LM = Legacy Management (formerly ESC = Energy Supply and Conservation), ODA = Other Defense Activities

(2) Category 1: Requires records-related activities and stakeholder support.

Category 2: Requires routine inspection and maintenance, records-related activities, and stakeholder support.

Category 3: Requires operation and maintenance of remedial action systems, routine inspection and maintenance, records-related activities, and stakeholder support.

(3) The DOE Office of Legacy Management is the owner of record for 5 FUSRAP sites: Colonie, NY; Maywood, NJ; Middlesex Sampling Plant (Middlesex South), NJ; New Brunswick, NJ; and Niagara Falls Storage Site, NY. The U.S. Army Corps of Engineers is responsible for protectiveness at these sites until remedial action is completed and DOE-LM assumes LTS&M responsibility for the sites.

(4) Oxnard was added during the December 2008 update of the LM Site Management Guide - Revision 6.

Appendix A: LM Site Count Listing (continued)

LM Site Count Listing Through September 30, 2008

	LM Site Name	Pre - LM Name	Approp (1)	Category (2)	Regulatory Driver	Fiscal Year Transfer Date
77	Slick Rock, CO, Disposal/Processing Site	Slick Rock (North Continent) Mill 1	LM	2	UMTRCA Title I	1998
		Slick Rock (Union Carbide) Mill 2				
		Burro Canyon Disposal Cell				
78	Spook, WY, Disposal Site	Spook Site	LM	2	UMTRCA Title I	1993
79	Springdale, PA, Site	C.H. Schnorr	LM	1	FUSRAP	2004
80	Toledo, OH, Site	Baker Brothers	LM	1	FUSRAP	2004
81	Tuba City, AZ, Disposal Site	Tuba City Site	LM	3	UMTRCA Title I	1996
82	Wayne, NJ, Site	Wayne Site	LM	2	FUSRAP	2007
83	Weldon Spring, MO, Site	Weldon Spring Site	LM	3	CERCLA/RCRA	2003
Total						83

Total LM	68
Total ODA	15

- (1) Appropriation: LM = Legacy Management (formerly ESC = Energy Supply and Conservation), ODA = Other Defense Activities
- (2) Category 1: Requires records-related activities and stakeholder support.
 Category 2: Requires routine inspection and maintenance, records-related activities, and stakeholder support.
 Category 3: Requires operation and maintenance of remedial action systems, routine inspection and maintenance, records-related activities, and stakeholder support.
- (3) The DOE Office of Legacy Management is the owner of record for 5 FUSRAP sites: Colonie, NY; Maywood, NJ; Middlesex Sampling Plant (Middlesex South), NJ; New Brunswick, NJ; and Niagara Falls Storage Site, NY. The U.S. Army Corps of Engineers is responsible for protectiveness at these sites until remedial action is completed and DOE-LM assumes LTS&M responsibility for the sites.

Appendix B: Site Transition Schedule

Sites Planning to Transfer in FY 2009

	LM Site Name	Pre-LM Name	Approp (1)	Category (2)	Transferring Organization	Regulatory Driver
The two sites below transferred in October 2008.						
1	Tonawanda North Unit 1, NY, Site	Ashland Oil #1	LM	1	USACE	FUSRAP
2	Tonawanda North Unit 2, NY, Site	Ashland Oil #2	LM	1	USACE	FUSRAP

The six sites below are planned for transfer between December 1, 2008 and September 30, 2009.						
3	Bear Creek, WY, Disposal Site	Union Pacific - Bear Creek Site	LM	2	Private License	UMTRCA Title II
4	Durita, CO, Disposal Site	HECLA - Durita Site	LM	2	Private License	UMTRCA Title II
5	Gas Hills East, WY, Disposal Site	UMETCO - Gas Hills Site	LM	2	Private License	UMTRCA Title II
6	Gas Hills North, WY, Disposal Site	Pathfinder - Lucky Mc Site	LM	2	Private License	UMTRCA Title II
7	Maybell West, CO, Disposal Site	UMETCO - Maybell Site 2	LM	2	Private License	UMTRCA Title II
8	Split Rock, WY, Disposal Site	WNI - Split Rock Site	LM	2	Private License	UMTRCA Title II
Total						8

	FY09	Cum
Total LM	8	76
Total ODA	0	15
	8	91

Cumulative 91

Sites Planning to Transfer in FY 2010

	LM Site Name	Pre-LM Name	Approp (1)	Category (2)	Transferring Organization	Regulatory Driver
1	Ashtabula, OH, Site	Ashtabula Closure Project	ODA	1	EM	Other
2	Highland, WY, Disposal Site	Exxon - Highland Site	LM	2	Private License	UMTRCA Title II
3	Inhalation Toxicology Laboratory, NM, Site	Lovelace Respiratory Research Institute	LM	2	EM	Other
4	Mound, OH, Site	Miamisburg Closure Project	ODA	3	EM	CERCLA/RCRA
Total						4

	FY10	Cum
Total LM	2	78
Total ODA	2	17
	4	95

Cumulative 95

Sites Planning to Transfer in FY 2011

	LM Site Name	Pre-LM Name	Approp (1)	Category (2)	Transferring Organization	Regulatory Driver
1	Lisbon Valley, UT, Disposal Site	Rio Algom - Lisbon Valley Site	LM	2	Private License	UMTRCA Title II
2	Panna Maria, TX, Disposal Site	Chevron - Panna Maria Site	LM	2	Private License	UMTRCA Title II
3	Uravan, CO, Disposal Site	UMETCO - Uravan Site	LM	2	Private License	UMTRCA Title II
Total						3

	FY11	Cum
Total LM	3	81
Total ODA	0	17
	3	98

Cumulative 98

- (1) Appropriation: LM = Legacy Management (formerly ESC = Energy Supply and Conservation), ODA = Other Defense Activities
- (2) Category 1: Requires records-related activities and stakeholder support.
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Category 3: Requires operation and maintenance of remedial action systems, routine inspection and maintenance, records-related activities, and stakeholder support.
- (3) The DOE Office of Legacy Management is the owner of record for 5 FUSRAP sites: Colonie, NY; Maywood, NJ; Middlesex Sampling Plant (Middlesex South), NJ; New Brunswick, NJ; and Niagara Falls Storage Site, NY. The U.S. Army Corps of Engineers is responsible for protectiveness at these sites until remedial action is completed and DOE-LM assumes LTS&M responsibility for the sites.
- (4) Completion date of 2016 assumed for out-year planning. Actual remedial action completion date not yet scheduled by USACE.
- (5) Transfer site dates were revised from 2035 to 2047 to reflect estimated site transfer at mid-point of the 75-year baseline window.

Appendix B: Site Transition Schedule (continued)

Sites Planning to Transfer in FY 2012

	LM Site Name	Pre-LM Name	Approp (1)	Category (2)	Transferring Organization	Regulatory Driver
1	Attleboro, MA, Site	Shpack Landfill	LM	2	USACE	FUSRAP
2	Combustion Engineering, CT, Site	CE	LM	2	USACE	FUSRAP
3	Painesville, OH, Site	Painesville	LM	1	USACE	FUSRAP
4	Ray Point, TX, Disposal Site	Exxon - Ray Point Site	LM	2	Private License	UMTRCA Title II
					Total	4
					Cumulative	102
			Total LM	FY12	Cum	
				4	85	
			Total ODA	0	17	
				4	102	

Sites Planning to Transfer in FY 2013

	LM Site Name	Pre-LM Name	Approp (1)	Category (2)	Transferring Organization	Regulatory Driver
1	Church Rock, NM, Disposal Site	UNC - Church Rock Site	LM	2	Private License	UMTRCA Title II
2	Colonie, NY, Site (3)	Colonie	LM	2	USACE	FUSRAP
3	Conquista, TX, Disposal Site	Conoco - Conquista Site	LM	2	Private License	UMTRCA Title II
4	Ford, WA, Disposal Site	Dawn - Ford Site	LM	2	Private License	UMTRCA Title II
5	Gas Hills West, WY, Disposal Site	ANC - Gas Hills Site	LM	2	Private License	UMTRCA Title II
6	Mercury Storage Facility (interim name)	Mercury Storage Facility	ODA	3	EM	RCRA
7	Middlesex Sampling Plant, NJ, Site (3)	Middlesex Sampling Plant	LM	2	USACE	FUSRAP
					Total	7
					Cumulative	109
			Total LM	FY13	Cum	
				6	91	
			Total ODA	1	18	
				7	109	

Sites Planning to Transfer in FY 2014

	LM Site Name	Pre-LM Name	Approp (1)	Category (2)	Transferring Organization	Regulatory Driver
1	E.I. Du Pont, NJ, Site	DuPont & Company	LM	2	USACE	FUSRAP
2	Grants, NM, Disposal Site	Homestake - Grants Site	LM	2	Private License	UMTRCA Title II
3	Iowa Army Ammunition Plant, IA, Site	Iowa Army Ammunition Plant	LM	2	USACE	FUSRAP
4	Linde Air Products Division, NY, Site	Linde Air Products	LM	2	USACE	FUSRAP
5	Parks Township Shallow Land Disposal Area, PA, Site	Parks Township - SLDA	LM	1	USACE	FUSRAP
6	St. Louis Downtown, MO, Site	St. Louis Downtown Site	LM	2	USACE	FUSRAP
7	Sylvania-Corning, NY Site (4)	Sylvania-Corning Plant Site	LM	1	USACE	FUSRAP
8	W.R. Grace Co., MD, Site	W.R. Grace and Company	LM	2	USACE	FUSRAP
					Total	8
					Cumulative	117
			Total LM	FY14	Cum	
				8	99	
			Total ODA	0	18	
				8	117	

- (1) Appropriation: LM = Legacy Management (formerly ESC = Energy Supply and Conservation), ODA = Other Defense Activities
- (2) Category 1: Requires records-related activities and stakeholder support.
 Category 2: Requires routine inspection and maintenance, records-related activities, and stakeholder support.
 Category 3: Requires operation and maintenance of remedial action systems, routine inspection and maintenance, records-related activities, and stakeholder support.
- (3) The DOE Office of Legacy Management is the owner of record for 5 FUSRAP sites: Colonie, NY; Maywood, NJ; Middlesex Sampling Plant (Middlesex South), NJ; New Brunswick, NJ; and Niagara Falls Storage Site, NY. The U.S. Army Corps of Engineers is responsible for protectiveness at these sites until remedial action is completed and DOE-LM assumes LTS&M responsibility for the sites.
- (4) Completion date of 2016 assumed for out-year planning. Actual remedial action completion date not yet scheduled by USACE.
- (5) Transfer site dates were revised from 2035 to 2047 to reflect estimated site transfer at mid-point of the 75-year baseline window.

Appendix B: Site Transition Schedule (continued)

Sites Planning to Transfer in FY 2015

	LM Site Name	Pre-LM Name	Approp (1)	Category (2)	Transferring Organization	Regulatory Driver
1	General Electric Vallecitos Nuclear Center, CA, Site	General Electric Vallecitos Nuclear Center	LM	1	EM	Other
2	Harshaw Chemical Company, OH, Site	Harshaw Chemical Company	LM	2	USACE	FUSRAP
3	Latty Avenue Properties, MO, Site	Hazelwood Interim Storage Site/Latty Ave.	LM	2	USACE	FUSRAP
4	Luckey, OH, Site	Luckey	LM	2	USACE	FUSRAP
5	Sequoyah Fuels, OK, Disposal Site	Sequoyah Fuels Site	LM	2	Private License	UMTRCA Title II
6	St. Louis Airport, MO, Site	St. Louis Airport Site	LM	2	USACE	FUSRAP
					Total	6
					Cumulative	123

	FY15	Cum
Total LM	6	105
Total ODA	0	18
	6	123

Sites Planning to Transfer in FY 2016

	LM Site Name	Pre-LM Name	Approp (1)	Category (2)	Transferring Organization	Regulatory Driver
1	Guterl Specialty Steel, NY, Site (4)	Guterl Specialty Steel Corp	LM	1	USACE	FUSRAP
2	Joslyn Manufacturing & Supply Company, IN, Site (4)	Joslyn Manufacturing & Supply Company	LM	1	USACE	FUSRAP
3	Maywood, NJ, Site (3)	Maywood Chemical Works	LM	1	USACE	FUSRAP
4	St. Louis Airport Vicinity Properties, MO, Site	St. Louis Airport Site Vicinity Properties	LM	2	USACE	FUSRAP
5	Seaway Industrial Park, NY, Site	Seaway Industrial Park	LM	2	USACE	FUSRAP
6	Superior Steel, PA, Site (4)	Superior Steel	LM	1	USACE	FUSRAP
					Total	6
					Cumulative	129

	FY16	Cum
Total LM	6	111
Total ODA	0	18
	6	129

Sites Planning to Transfer in FY 2017 - 2047

	LM Site Name	Pre-LM Name	Approp (1)	Category (2)	Transferring Organization	Regulatory Driver	Planned Transfer
1	Energy Technology Engineering Center, CA, Site	Energy Technology Engineering Center	LM	1	EM	Other	2018
2	West Valley, NY, Site	West Valley Demonstration Project	LM	1	EM	CERCLA/RCRA	2018
3	Ambrosia Lake West, NM, Disposal Site	Quivira - Ambrosia Lake Site 2	LM	2	Private License	UMTRCA Title II	2020
4	Niagara Falls Storage Site, NY (3)	Niagara Falls Storage Site	LM	2	USACE	FUSRAP	2020
5	Portsmouth, OH, Site	Portsmouth Gaseous Diffusion Plant	LM	2	EM	CERCLA/RCRA	2026
6	Moab, UT, Site	Atlas - Moab Mill	LM	3	EM	UMTRCA Title I	2029
7	Paducah, KY Site	Paducah Gaseous Diffusion Plant	LM	2	EM	CERCLA/RCRA	2031
8	Canon City, CO, Disposal Site (5)	Cotter - Canon City Site	LM	2	Private License	UMTRCA Title II	2047
9	Salt Lake City 11e(2), UT, Disposal Site (5)	11e(2) Disposal Site	LM	2	Private License	Other	2047
10	Shirley Basin North, WY, Disposal Site (5)	Pathfinder - Shirley Basin Site 2	LM	2	Private License	UMTRCA Title II	2047
11	Shootaring Canyon, UT, Disposal Site (5)	Plateau Shootaring Canyon Site	LM	2	Private License	UMTRCA Title II	2047
12	Sweetwater, WY, Disposal Site (5)	Kennecott Sweetwater Site	LM	2	Private License	UMTRCA Title II	2047
13	White Mesa, UT, Disposal Site (5)	EFN - White Mesa Site	LM	2	Private License	UMTRCA Title II	2047
					Total	13	
					Cumulative	142	

	Totals	Cum
Total LM	13	124
Total ODA	0	18
	13	142

(1) Appropriation: LM = Legacy Management (formerly ESC = Energy Supply and Conservation), ODA = Other Defense Activities

(2) Category 1: Requires records-related activities and stakeholder support.

Category 2: Requires require routine inspection and maintenance, records-related activities, and stakeholder support.

Category 3: Requires operation and maintenance of remedial action systems, routine inspection and maintenance, records-related activities, and stakeholder support.

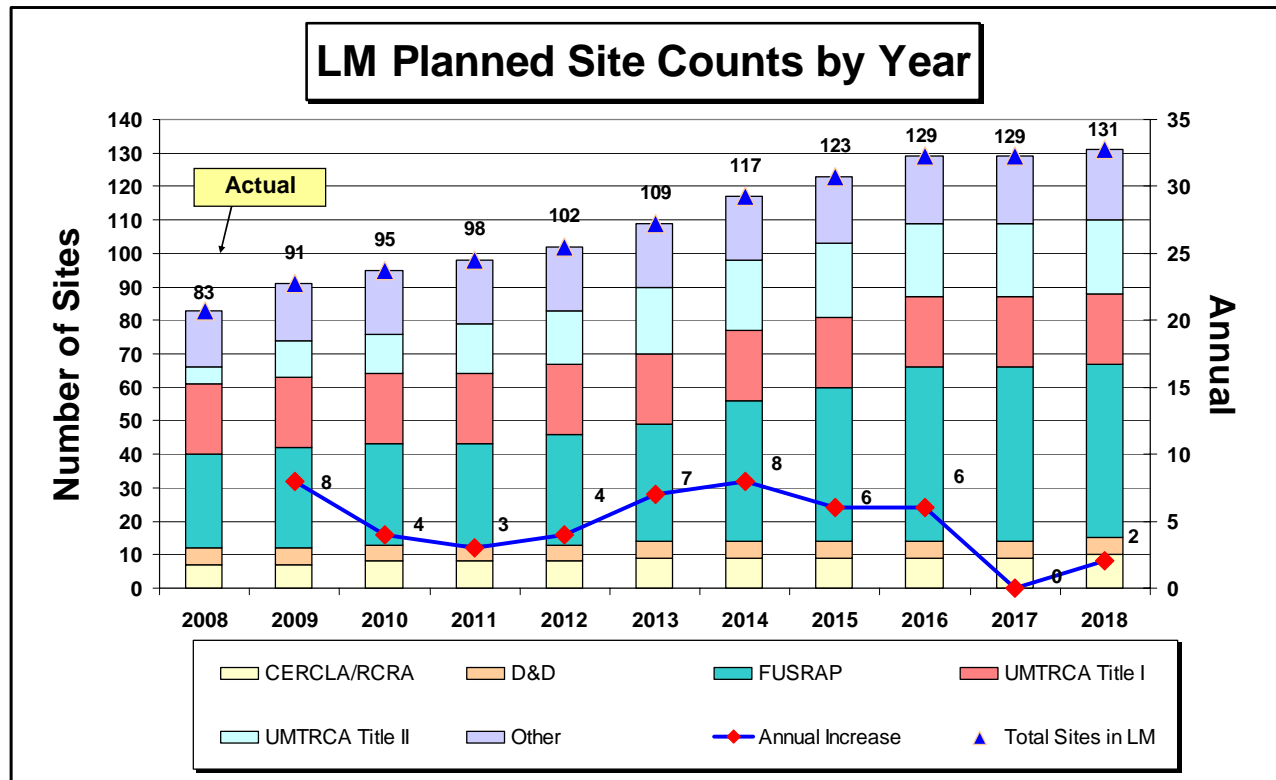
(3) The DOE Office of Legacy Management is the owner of record for 5 FUSRAP sites: Colonie, NY; Maywood, NJ; Middlesex Sampling Plant (Middlesex South), NJ; New Brunswick, NJ; and Niagara Falls Storage Site, NY. The U.S. Army Corps of Engineers is responsible for protectiveness at these sites until remedial action is completed and DOE-LM assumes LTS&M responsibility for the sites.

(4) Completion date of 2016 assumed for out-year planning. Actual remedial action completion date not yet scheduled by USACE.

(5) Transfer site dates were revised from 2035 to 2047 to reflect estimated site transfer at mid-point of the 75-year baseline window.

Appendix C: Planned Site Count by Year (2008 is actual site count through end of fiscal year)

Site	BY END OF FISCAL YEAR										
	Actual 2008	Planned 2009	Planned 2010	Planned 2011	Planned 2012	Planned 2013	Planned 2014	Planned 2015	Planned 2016	Planned 2017	Planned 2018
CERCLA/RCRA	7	7	8	8	8	9	9	9	9	9	10
D&D	5	5	5	5	5	5	5	5	5	5	5
FUSRAP	28	30	30	30	33	35	42	46	52	52	52
UMTRCA Title I	21	21	21	21	21	21	21	21	21	21	21
UMTRCA Title II	5	11	12	15	16	20	21	22	22	22	22
Other	17	17	19	19	19	19	19	20	20	20	21
Total	83	91	95	98	102	109	117	123	129	129	131
Annual Increase		8	4	3	4	7	8	6	6	0	2



Appendix D: Current Site Count by State

12/12/2008

State Site Counts as of 11/30/2008

	State	CAT 1	CAT 2	CAT 3	# of Sites
1	Alaska	1	1		2
2	Arizona			2	2
3	California	4	1		5
4	Colorado		10	1	11
5	Connecticut	1			1
6	Florida			1	1
7	Idaho		1		1
8	Illinois	4	1		5
9	Kentucky	1			1
10	Massachusetts	2			2
11	Michigan	1			1
12	Mississippi		1		1
13	Missouri	1		1	2
14	Nebraska		1		1
15	Nevada		2		2

	State	CAT 1	CAT 2	CAT 3	# of Sites
16	New Jersey	3	1		4
17	New Mexico	3	5	1	9
18	New York	5			5
19	Ohio	6	1	1	8
20	Oregon	1	1		2
21	Pennsylvania	2	2		4
22	Puerto Rico	2	1		3
23	South Dakota		1		1
24	Tennessee	1			1
25	Texas		1		1
26	Utah		3	1	4
27	Washington		1		1
28	West Virginia		1		1
29	Wyoming		3		3
	TOTAL	38	39	8	85

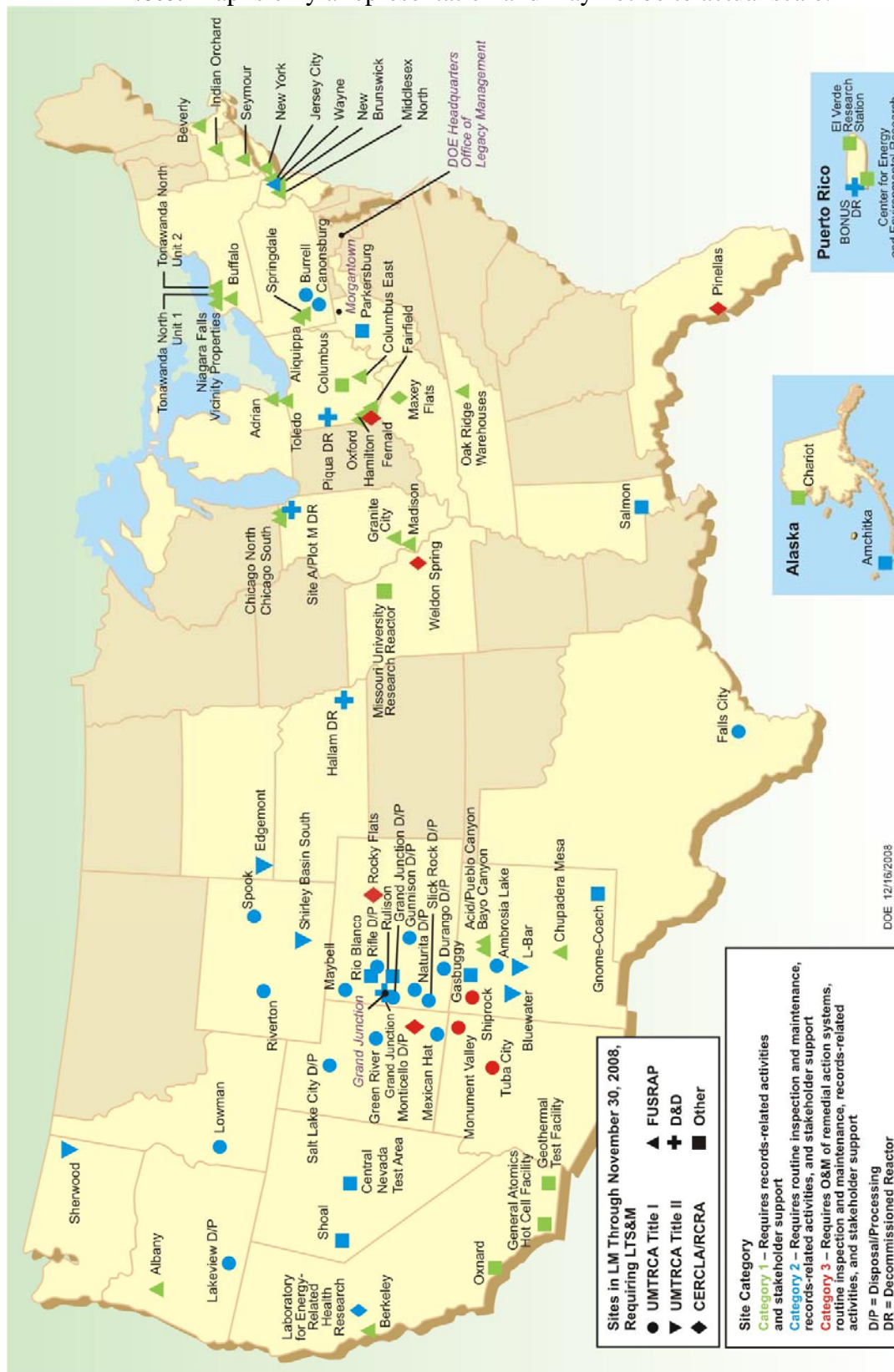
Category 1: Requires records-related activities and stakeholder support.

Category 2: Requires routine inspection and maintenance, records-related activities, and stakeholder support.

Category 3: Requires operation and maintenance of remedial action systems, routine inspection and maintenance, records-related activities, and stakeholder support.

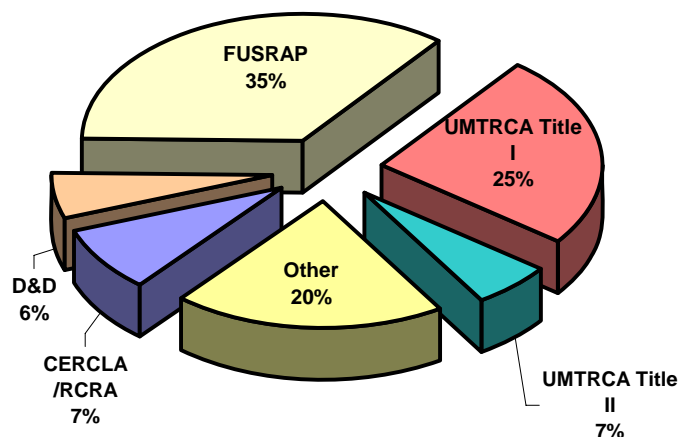
Appendix E: LM Site Map – as of November 30, 2008

Note: Map is only a representation and may not be to actual scale.

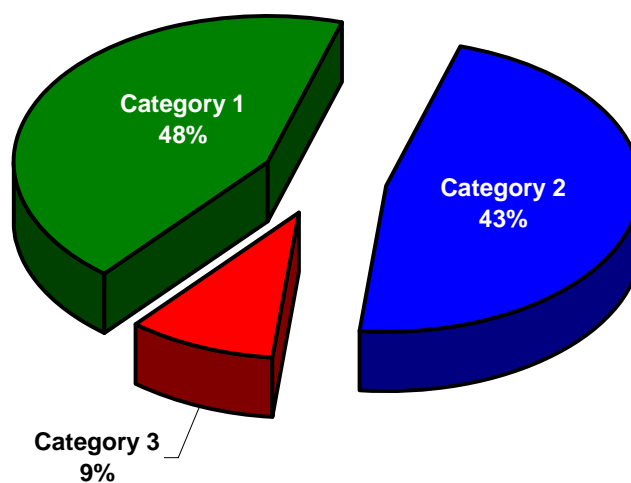


Appendix F: Site Count by Regulatory Type and Category

Type	Actual Thru Nov 2008
CERCLA/RCRA	7
D&D	5
FUSRAP	30
UMTRCA Title I	21
UMTRCA Title II	5
Other	17
TOTAL	85



Sites by Category thru Nov 2008	
Category 1	37
Category 2	40
Category 3	8
TOTAL	85



Category 1: Requires records-related activities and stakeholder support.

Category 2: Requires require routine inspection and maintenance, records-related activities, and stakeholder support.

Category 3: Requires operation and maintenance of remedial action systems, routine inspection and maintenance, records-related activities, and stakeholder support.

Appendix G: Site Information Summary

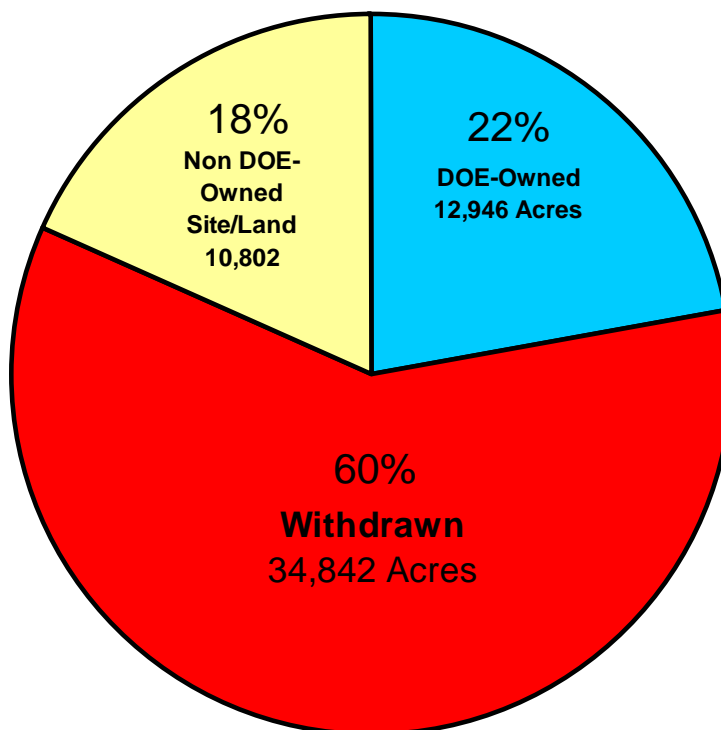
LM-20 Office of Site Operations Site Information Summary **as of November 30, 2008** FY 2008 and FY 2009 ¹

Type of Site	Number of Sites		Number of Wells		Number of Disposal Cells		Institutional Controls (Yes or No)	
	2008	2009	2008	2009	2008	2009	2008	2009
CERCLA/RCRA Sites	7	7	996	996	3	3	Yes (7 sites)	Yes (7 sites)
D&D Sites	5	5	70	70	1	1	Yes (5 site)	Yes (5 site)
FUSRAP Sites	30	30	0	0	0	0	Yes (2 sites)	Yes (2 sites)
UMTRCA Title I Sites	21	21	810	810	19	19	Yes (21 sites)	Yes (21 sites)
UMTRCA Title II Sites	5	11	39	82	6	17	Yes (5 sites)	Yes (11 sites)
Other Sites	17	17	95	95	1	1	Yes (8 sites)	Yes (8 sites)
TOTALS	85	91	2,010	2,053	30	41		
INCREASE/(DECREASE)		6		43		11		

¹ FY 2008 is actual site information while FY 2009 reflects planned site information.

Appendix H: Land Having Legacy Management LTS&M Activities - as of November 2008

Total = 58,590 Acres
Total Owned and Withdrawn = 47,788



■ DOE-Owned ■ Withdrawn ■ Non DOE-Owned Site/Land

DOE – Owned (Fee Simple)

Withdrawn (includes 27,320 acres withdrawn for uranium/vanadium mining, of which roughly 700 acres will be used. BLM manages all other surface uses.)

Non DOE-Owned Site/Land with Rights to Conduct Activities (e.g., surface/soil or groundwater restrictions, environmental monitoring, inspections)

Appendix I: Acronyms

Comprehensive Environmental Response, Compensation, and Liability Act	CERCLA
Decontamination and Decommissioning	D&D
Department of Energy	Department or DOE
Fiscal Year	FY
Formerly Utilized Sites Remedial Action Program	FUSRAP
Long-Term Surveillance and Maintenance	LTS&M
Nuclear Regulatory Commission	NRC
Nuclear Waste Policy Act	NWPA
Office of Environmental Management	EM
Office of Legacy Management	LM
Resource Conservation and Recovery Act	RCRA
Uranium Mill Tailings Radiation Control Act	UMTRCA
U.S. Army Corps of Engineers	USACE